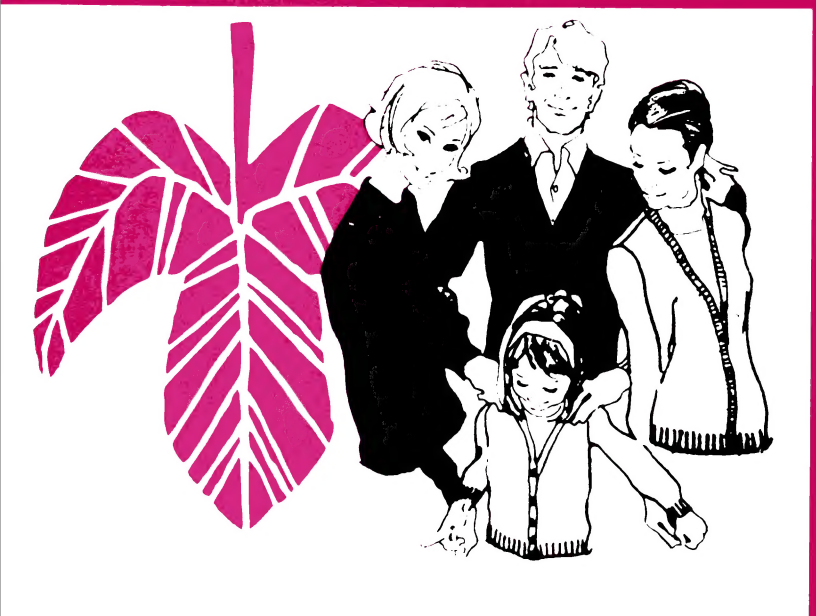
SINGER KNITTING MACHINES

Jumpers and Cardigans: Set-in Sleeves

4 PLY



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SINGER SET-IN SLEEVE FASHIONS USING 4 PLY

These set-in sleeve garments have been designed for all Singer Knitting Machines. The designs for children and adults cover cardigans with round or V necks and jumpers with round, polo or V necks – all styles may have short or long sleeves.

This book has been designed for beginners. However, more advanced knitters may like to add their own variations with stripes, bands of fairisle or single motif fairisle.

NOTE: Tuck and weaving stitch designs are not suitable

To ensure the success of your knitting, the first part of this book has been devoted to advice on tensions, measurements, hems and ribs, decreasing, buttonholes and quantities of yarn required.

Tensions

These garments have been designed for 4-ply. In order to match the sizes shown in this book it is essential to produce the correct tension. The correct stocking stitch tension is:–

29 stitches to 10 cm

42 rows to 10 cm

For all Singer machines we suggest Tension 7.1. However, as each machine varies it is advisable to check your tension. Various colours and flecks can also affect the tension.

To check tension: Knit a sample with 60 stitches on a tension one point below suggested tension, e.g., 7 — knit 60 rows and mark work — then change to 7.1 and knit 60 rows, then T 7.2 for 60 rows. Remove the sample from the machine and leave for at least 12 hours before measuring.

CAUTION

These garments have been designed exclusively for the yarns specified. We strongly recommend the use of this yarn to obtain the correct results.

Measurements

We have used average measurements, however, individual requirements may need lengths altered. At the alteration point instructions have been marked "adjust here". For shorter lengths deduct 11 rows for each 2.5 cm and for longer lengths add 10 rows for each 2.5 cm.

If altering lengths, remember to alter all body pieces and both sleeves if required. For cardigans the bands will also need alteration.

Basic Measurements

JUMPERS

SIZES		A	B	C	D	E	F	G	H	I	J
Chest measurements	cm	48	56	63	71	79	86	94	102	109	117
	inch	19	22	25	28	31	34	37	40	43	46
Garment measurements	cm	53	61	69	76	84	91	99	107	114	122
	inch	21	24	27	30	33	36	39	42	45	48
Length from back neck	cm	28	34	39	44	50	60	61	62	66	67
	inch	11	13½	15½	17½	19½	23½	24	24½	26	26½
Sleeve length long	cm	17	28	33	38	41	43	43	43	46	46
	inch	6½	11	13	15	16	17	17	17	18	18
Sleeve length short	cm	5	6	6	6	6	8	8	8	8	8
	inch	2	2½	2½	2½	2½	3	3	3	3	3

CARDIGANS

SIZES		A	B	C	D	E	F	G	H	I	J
Chest measurements	cm	48	56	63	71	79	86	94	102	109	117
	inch	19	22	25	28	31	34	37	40	43	46
Garment measurements	cm	56.	63	71	79	86	94	102	109	117	124
	inch	22	25	28	31	34	37	40	43	46	49
Length from back neck	cm	29	36	41	46	51	61	62	63	65	67
	inch	11½	14	16	18	20	24	24½	25	26½	26½
Sleeve length long	cm	18	29	34	39	42	44	44	44	47	47
	inch	7	11½	13½	15½	16½	17½	17½	17½	18½	18½
Sleeve length short	cm	5	6	6	6	6	8	8	8	8	8
	inch	2	2½	2½	2½	2½	3	3	3	3	3

Decreasing

Decreasing for set-in sleeve garments should not be obvious as in raglan garments. To decrease place 2nd last stitch onto last then move both back to 2nd needle, push empty needle out of action.

Hems and Ribbing

Instructions are given for both hems or ribbing, allowing for individual requirements.

Hems are turned up and may be completed on the machine or sewn by hand later.

There are two types of hems:—

1. Stocking stitch.
2. Imitation rib—where the given number of needles are selected and every alternate needle is pushed out of action. When the hem is completed remember to put the alternate needles back into action.

Ribbing: The instructions are for K1, P1 or single rib using a ribber attachment, or double bed machine.

Tensions: For stocking stitch hems the tension is one number tighter than the normal tension. For imitation rib and K1, P1 rib the tension is 2 numbers tighter than the normal tension.

Buttonholes

The correct placement of buttonholes is given in all cardigan bands. These may be worked in either K1, P1 rib or imitation rib.

K1, P1 Rib: 1. For small buttons—transfer the centre ribber bed stitch onto the above main bed stitch—there are now two stitches on one needle. Leave the empty rib needle in action and continue knitting.

2. For larger buttons—transfer the centre ribber bed stitch onto the above main bed stitch, then transfer the next main bed stitch onto next ribber stitch. There will now be on each bed two stitches on one needle and one empty needle. Leave the empty needles in action and continue knitting.

Imitation Rib: The bands in imitation rib are made double the width and folded back—therefore on the same row 2 buttonholes are to be made on needles mentioned in the instructions and when folded are stitched together. To make the buttonhole—knit 2 stitches together and leave the empty needle in action.

Materials

The figures quoted are for 4-ply 125g balls. If alterations are made to lengths also alter quantitites.

Sizes		A	B	C	D	E	F	G	H	I	J
Long Sleeve Garments											
V neck jumper	125g	2	3	3	3	4	4	4	5	5	6
Round neck jumper	125g	2	3	3	3	4	4	4	5	5	6
Polo neck jumper	125g	3	3	3	4	4	4	4	5	5	6
Round neck cardigan	125g	3	3	3	4	4	4	4	5	5	6
V neck cardigan	125g	3	3	3	4	4	4	4	5	5	6
Short Sleeve Garments											
V neck jumper	125g	2	2	2	3	3	4	4	4	4	5
Round neck jumper	125g	2	2	2	3	3	4	4	4	4	5
Round neck cardigan	125g	2	2	3	3	4	4	4	4	4	5
V neck cardigan	125g	2	2	3	3	4	4	4	4	4	5

NOTE: For round or polo neck jumpers small buttons or short zip may be used for extra neck opening.

JUMPER BACK – FOR ALL STYLES

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches	79	87	97	109	119	131	143	153	165	177
2. Knit welt—hem 40 rows										
rib 20 rows.										
— Change tension										
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length)	48	64	78	90	104	140	140	140	146	146
4. Row counter 000.										
5. Cast off xxx stitches at beginning of next 2 rows	4	4	4	4	4	4	5	6	6	7
6. Decrease 1 stitch each end every row xxx times	2	3	3	4	4	5	5	6	6	7
7. Decrease 1 stitch each end every 2nd row xxx times	4	4	5	6	4	6	10	10	12	13
8. There are now xxx stitches	59	65	73	81	95	101	103	109	117	123
9. Knit straight to xxx rows .... Shape shoulder—	54	58	66	74	78	82	88	90	102	104
10. At beginning of next xxx rows	4	6	6	6	6	8	8	10	10	12
cast off xxx stitches	8	6	7	8	10	8	8	7	7	6
11. Cast off remaining xxx stitches	27	29	31	33	35	37	39	39	47	51

JUMPER FRONT – V NECK

Sizes	A	B	C	D	E	F	G	H	I	J
1. Follow steps 1 to 5 of jumper back.										
2. Decrease 1 stitch each end of work and K 2 together at centre.										
3. Work on half the stitches nearest carriage, placing other half out of action. xxx stitches	34	38	43	49	54	60	65	69	75	80
Note: Steps 4 to 6 are knitted simultaneously.										
4. At armhole edge decrease 1 stitch every row xxx times	1	2	2	3	3	4	4	5	5	6
5. At armhole edge decrease 1 stitch every 2nd row xxx times	4	4	5	6	4	6	10	10	12	13
6. At neck edge decrease 1 stitch every 4th row xxx times	13	14	15	16	17	18	19	19	23	25
7. There are now xxx stitches	16	18	21	24	30	32	32	35	35	36
8. Knit straight to xxx rows .... Shape shoulder—	54	58	66	74	78	82	88	90	102	104
9. At beginning of every 2nd row, at armhole edge, cast off xxx stitches	8	6	7	8	10	8	8	7	7	6
xxx times	2	3	3	3	3	4	4	5	5	6
10. Work on other half, repeating steps 4 to 9, reversing shapings.										

JUMPER FRONT – ROUND OR POLO NECK

Sizes	A	B	C	D	E	F	G	H	I	J
1. Follow steps 1 to 8 of jumper back.										
2. Knit straight to xxx rows	34	38	46	52	52	56	60	62	68	70
3. Work xxx stitches nearest carriage holding remaining stitches .... Shape neck—	22	24	28	31	38	40	41	44	46	48
4. At neck edge decrease 1 stitch every 2nd row xxx times	6	6	7	7	8	8	9	9	11	12
5. There are now xxx stitches	16	18	21	24	30	32	32	35	35	36
6. Knit straight to xxx rows .... Shape shoulder—	54	58	66	74	78	82	88	90	102	104
7. At beginning of every 2nd row, at armhole edge, decrease xxx stitches	8	6	7	8	10	8	8	7	7	6
xxx times	2	3	3	3	3	4	4	5	5	6
8. Cast off xxx stitches at centre	15	17	17	19	19	21	21	21	25	27
9. Work on other half, repeating steps 4 to 7, reversing shapings.										

JUMPER – LONG SLEEVES

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches	41	43	51	57	61	63	65	69	75	79
2. Knit welt—hem 40 rows rib 20 rows. — Change tension —										
3. Transfer to stocking stitch and knit xxx rows	4	4	4	4	4	2	2	2	2	2
4. Increase 1 stitch each end of this and every following xxx rows	5	7	7	7	8	8	8	8	8	8
5. Increase xxx times altogether	9	11	13	16	18	18	18	19	21	22
6. There are now xxx stitches	59	65	77	89	97	99	101	107	117	123
7. Knit straight to xxx rows above welt (adjust length)	58	100	116	136	148	160	160	160	174	174
Shape sleeve cap—										
8. Row counter 000.										
9. At beginning of next 2 rows cast off xxx stitches	4	4	4	4	4	4	5	6	6	7
10. Decrease 1 stitch each end every 2nd row xxx times	6	9	6	7	7	10	11	16	13	12
11. Decrease 1 stitch each end every row xxx times	14	14	22	26	30	28	26	22	30	32
12. There are now xxx rows	28	34	36	42	46	50	50	56	58	58
13. Cast off remaining xxx stitches	11	11	13	15	15	15	17	19	19	21
14. Knit another sleeve the same way.										

JUMPER – SHORT SLEEVES

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches	45	51	63	75	83	85	87	93	103	109
2. Knit welt—hem 20 rows rib 10 rows. — Change tension —										
3. Transfer to stocking stitch and knit 2 rows.										
4. Increase 1 stitch each end of this and every xxx rows	2	2	2	2	2	3	3	3	3	3
5. Increase 7 times altogether.										
6. There are now xxx stitches	59	65	77	89	97	99	101	107	117	123
7. Knit to xxx rows above welt	16	20	20	20	20	24	24	24	24	24
8. Continue with steps 8 to 13 of long sleeve.										

NECKBANDS – JUMPERS – USING IMITATION RIB

ROUND NECK JUMPER

Sizes	A	B	C	D	E	F	G	H	I	J
1. Select xxx needles	95	99	101	109	119	125	133	137	161	171
2. Push out of action every alternate needle.										
3. Using winding method, cast on loosely.										
4. Knit xxx rows	24	28	28	28	28	30	30	30	30	30
5. Cast off loosely.										

Note: When attached, neckband is folded in half.

POLO NECK JUMPER

Sizes	A	B	C	D	E	F	G	H	I	J
1. Commence as steps 1 to 3 of round neck.										
2. Knit xxx rows										
3. Cast off loosely.	40	60	60	60	60	70	70	70	70	70

V NECK JUMPER

Sizes	A	B	C	D	E	F	F	H	I	J
Note: Most sizes knitted in 2 pieces.										
1. Select xxx needles	165	171	193	135	139	149	161	165	183	189
2nd piece xxx needles				79	83	89	95	99	113	115
2. Push out of action every alternate needle.										
3. Using winding method, cast on loosely.										
4. Knit 24 rows.										
5. Cast off loosely.										

Note: When attached, neckband is folded in half.
See back page for attaching 2 pieces.

NECKBANDS – JUMPERS – USING RIBBER ATTACHMENT

ROUND NECK JUMPER

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches for K1, P1 rib	95	99	101	109	119	125	133	137	161	171
2. Rib for xxx rows	24	28	28	28	28	30	30	30	30	30
3. Cast off loosely.										

Note: When attached, neckband is folded in half.

POLO NECK JUMPER

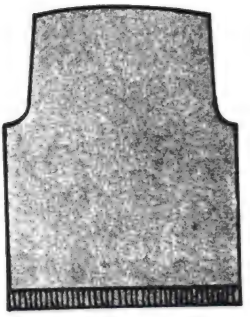
Sizes	A	B	C	D	E	F	G	H	I	J
1. Commence as step 1 for round neck.										
2. Rib for xxx rows	40	60	60	60	60	70	70	70	70	70

V NECK JUMPER

Sizes	A	B	C	D	E	F	G	H	I	J
Note: Most sizes knitted in 2 pieces.										
1. Cast on xxx stitches for K1, P1 rib	165	171	193	135	139	149	161	165	183	189
2nd piece xxx stitches				79	83	89	95	99	113	115
2. Rib for 12 rows.										
3. Cast off loosely.										

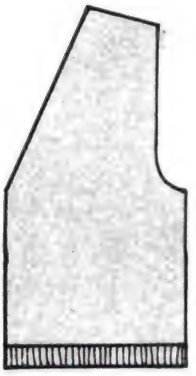
Note: See back page for attaching 2 pieces.

Note: When attaching neckbands it is best to use the cast on edge as the finished edge and attach the cast off edge to the garment.



CARDIGAN – BACK PANEL FOR ALL STYLES

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches	83	91	101	113	123	135	147	157	169	181
2. Knit welt—hem 40 rows rib 20 rows. — Change tension —										
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length) Shape armhole—	52	68	82	94	108	144	144	144	150	150
4. Row counter 000.										
5. At beginning of next 2 rows cast off xxx stitches	4	4	4	4	4	4	5	6	6	7
6. Decrease 1 stitch each end every row xxx times	2	3	3	4	4	5	5	6	6	7
7. Decrease 1 stitch each end every 2nd row xxx times	5	5	6	7	5	7	11	11	13	14
8. There are now xxx stitches	61	67	75	83	97	103	105	111	119	125
9. Knit straight to xxx rows Shape shoulders—	56	60	68	76	80	84	90	92	104	106
10. At beginning of next xxx rows cast off xxx stitches	4 8	6 6	6 7	6 8	6 10	8 8	8 8	10 7	10 7	12 6
11. Cast off remaining xxx stitches	29	31	33	35	37	39	41	41	49	53



CARDIGAN FRONT – V NECK

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches	41	45	49	55	61	67	73	79	83	89
2. Knit welt—hem 40 rows rib 20 rows. — Change tension —										
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length) Shape armhole and neckline —	52	68	82	94	108	144	144	144	150	150
4. Row counter 000.										
5. At armhole edge cast off xxx stitches	4	4	4	4	4	4	5	6	6	7
6. At neck edge decrease 1 stitch.										
Note: Steps 7 to 9 are knitted simultaneously.										
7. At neck edge decrease 1 stitch every 4th row xxx times	13	14	14	15	17	18	19	20	22	24
8. At armhole edge decrease 1 stitch every row xxx times	2	3	3	4	4	5	5	6	6	7
9. At armhole edge decrease 1 stitch every 2nd row xxx times	5	5	6	7	5	7	11	11	13	14
10. There are now xxx stitches	16	18	21	24	30	32	32	35	35	36
11. Knit straight to xxx rows Shape shoulders —	56	60	68	76	80	84	90	92	104	106
12. At beginning of every 2nd row, at armhole edge, cast off xxx stitches xxx times	8 2	6 3	7 3	8 3	10 3	8 4	8 4	7 5	7 5	6 6
Knit other front, reversing shapings.										

CARDIGAN FRONT–ROUND NECK

Sizes	A	B	C	D	E	F	G	H	I	J
1. Follow steps 1 to 5 of V neck.										
2. At armhole edge decrease 1 stitch every row xxx times	2	3	3	4	4	5	5	6	6	7
3. At armhole edge decrease 1 stitch every 2nd row xxx times	5	5	6	7	5	7	11	11	13	14
4. There are now xxx stitches	30	33	36	40	48	49	50	54	58	61
5. Knit straight to xxx rows	30	38	46	52	52	56	60	62	68	70
Shape neck—										
6. At neck edge cast off xxx stitches	8	9	9	9	10	10	10	11	12	13
7. At neck edge decrease 1 stitch every 2nd row xxx times	6	6	6	7	8	9	9	10	11	12
8. There are now xxx stitches	16	18	21	24	30	32	32	35	35	36
9. Knit straight to xxx rows	56	60	68	76	80	84	90	92	104	106
Shape shoulders—										
10. At beginning of every 2nd row, at armhole edge, cast off										
xxx stitches	8	6	7	8	10	8	8	7	7	6
xxx times	2	3	3	3	3	4	4	5	5	6
Knit other front, reversing shapings.										

CARDIGAN – LONG SLEEVES

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches	45	47	55	61	65	67	69	73	79	83
2. Knit welt—hem 40 rows rib 20 rows. — Change tension —										
3. Transfer to stocking stitch and knit xxx rows	2	2	2	2	2	6	6	6	6	6
4. Increase 1 stitch each end of this and every following xxx rows	5	7	7	7	8	8	8	8	8	8
5. Increase xxx times altogether	9	11	13	16	18	18	18	19	21	22
6. There are now xxx stitches	63	69	81	93	101	103	105	111	121	127
7. Knit straight to xxx rows above welt (adjust length) Shape sleeve cap—	62	104	120	140	152	164	164	164	180	180
8. Row counter 000.										
9. At beginning of next 2 rows cast off xxx stitches	4	4	4	4	4	4	5	6	6	7
10. Decrease 1 stitch each end every 2nd row xxx times	7	10	7	8	8	11	12	17	14	13
11. Decrease 1 stitch each end every row xxx times	14	14	22	26	30	28	26	22	30	32
12. There are now xxx rows	30	36	38	44	48	52	52	58	60	60
13. Cast off remaining xxx stitches	13	13	15	17	17	17	19	21	21	23
Knit another sleeve the same way.										

CARDIGAN – SHORT SLEEVES

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on xxx stitches	49	55	67	77	87	89	91	99	107	113
2. Knit welt—hem 20 rows rib 10 rows. — Change tension —										
3. Transfer to stocking stitch and knit 2 rows.										
4. Increase 1 stitch each end of this and every following xxx rows	2	2	2	2	2	3	3	3	3	3
5. Increase until xxx stitches	63	69	81	91	101	103	105	113	121	127
6. Knit straight to xxx rows above welt (adjust length)	16	20	20	20	20	24	24	24	24	24
7. Continue with steps 8 to 13 of long sleeve.										

NECKBANDS–CARDIGANS USING RIBBER ATTACHMENT

V NECK CARDIGAN

Sizes	A	B	C	D	E	F	G	H	I	J
1. Cast on 15 stitches for K1, P1 rib.										
2. Rib 5 rows.										
3. Make buttonholes in next and every following xxx rows (see front section)	21	21	24	22	25	26	26	26	28	28
4. Make xxx buttonholes altogether	4	5	5	6	6	6	7	7	7	7
5. Continue ribbing until xxx rows from beginning	250	308	352	392	428	516	524	532	568	580
6. Cast off loosely.										

Note: If length of garment is altered adjust the band by double the number of altered rows.

ROUND NECK CARDIGAN

Sizes	A	B	C	D	E	F	G	H	I	J
Front Band Without Buttonholes										
1. Cast on 15 stitches for K1, P1 rib.										
2. Rib for xxx rows	120	140	160	178	190	227	236	236	250	250
3. Cast off.										

Note: If length of garment is altered adjust band by same number of rows.

Front Band With Buttonholes

1. Cast on 15 stitches for K1, P1 rib.										
2. Rib 5 rows.										
3. Make buttonhole in next and every following xxx rows (see front section)	22	26	30	28	30	31	32	32	30	30
4. Make xxx buttonholes altogether	6	6	6	7	7	8	8	8	9	9
5. Rib 5 rows.										
6. Cast off.										

See note for "without buttonholes."

Neckband

1. Cast on xxx sts for K1, P1 rib	103	105	105	113	121	133	135	141	165	165
2. Rib 12 rows.										
3. Cast off loosely.										

Note: It is best to use cast on edge as finished edge and attach cast off edge to garment. Front bands extend to form part of the neckband.

NECKBANDS – CARDIGANS – USING IMITATION RIB

V NECK CARDIGAN

Sizes	A	B	C	D	E	F	G	H	I	J
1. Select 32 needles.										
2. Push out of action every alternate needle.										
3. Use winding method, cast on.										
4. Knit 5 rows.										
5. Make buttonholes on 4th stitch in from each end (see front section).										
6. Knit xxx rows	21	21	24	22	25	26	26	26	28	28
7. Repeat steps 5 and 6 until xxx series of buttonholes are made	4	5	5	6	6	7	7	7	7	7
8. Continue knitting until xxx rows from beginning	250	308	352	392	428	516	524	532	568	580
9. Cast off.										

Note: If length of garment is altered adjust the band by double the number of altered rows.

ROUND NECK CARDIGAN

Sizes	A	B	C	D	E	F	G	H	I	J
Front Band without Buttonholes										
1. Follow steps 1 to 3 of V neck.										
2. Knit for xxx rows	120	140	160	178	190	227	236	236	250	250
3. Cast off.										

Note: If length of garment is altered adjust bands by same number of rows.

Front Band with Buttonholes

1. Follow steps 1 to 3 of V neck.										
2. Make buttonholes on 4th stitch in from each end (see front section).										
3. Knit xxx rows	22	26	30	28	30	31	32	32	30	30
4. Repeat steps 2 and 3 until xxx series of buttonholes are made	6	6	6	7	7	8	8	8	9	9
5. Knit 5 rows.										

See note for "without buttonholes."

Neckband

1. Select xxx needles	103	105	105	113	121	133	135	141	165	165
2. Push out of action every alternate needle.										
3. Using winding method cast on loosely.										
4. Knit 24 rows.										
5. Cast off loosely.										

Note: Front bands extend to form part of neckband.

COMPLETION OF GARMENTS

All Styles

1. Press all pieces lightly with a damp cloth.
2. Sew up the shoulder seams – if required leave left shoulder open for buttons or zip closure on round or polo necks.
3. Sew the side and sleeve seams.
4. Sew in the sleeves—matching the shoulder seam to centre of sleeve cap and matching side and sleeve seams.

   Note: The garment is eased to fit the sleeve.

Attaching Neckbands

Round Neck Jumper

For both imitation rib and rib sew the neckband evenly around the neck with seam edge at left shoulder – fold in half and slip stitch – if required sew buttons and crochet loops or sew zip on left shoulder.

Polo Neck Jumper

Imitation Rib: Attach as for round neck jumper.

Rib: Sew cast off edge to the neckline – see Round neck.

V Neck Jumper

Imitation Rib: Sew band around neck commencing with ends at the V—with 2 pieces, the second joins at a shoulder seam—fold the band in half and slip stitch—make a mitred corner at the V.

Rib: Sew band around neck using the cast off edge commencing at the V—with 2 pieces, the second joins at a shoulder seam—mitre the ends at the V.

Round Neck Cardigan

Imitation Rib: Attach the neckband evenly, fold in half and slip stitch. Attach the bands down each front commencing at the top of the neckband—fold in half and slip stitch. Catch the buttonholes together.

Rib: Attach the neckband evenly around neck using cast off edge—attach bands from top of neckband.

V Neck Cardigan

Imitation Rib: Attach band evenly around neckline, fold in half and slip stitch. Catch the buttonholes together.

Rib: Attach evenly around neckline.

SINGER
SEWING
MACHINES